

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	
	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	
	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	
	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	
PHASE 2+5	G	G	G	R	R	R	R	R	R	R	←
2+5 CHANGE	G	G	G	R	R	R	R	R	R	R	←
PHASE 2+6	G	G	G	G	G	R	R	R	R	R	←
2+6 CHANGE	Y	Y	Y	Y	Y	R	R	R	R	R	←
PHASE 3	R	R	R	R	R	G	G	G	R	R	↓
3 CHANGE	R	R	R	R	R	Y	Y	Y	R	R	↓
PHASE 4	R	R	R	R	R	R	R	R	G	G	↑
4 CHANGE	R	R	R	R	R	R	R	R	Y	Y	↑
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	↑↓

PROJECT CONTACTS

ACT PERSONS FOR DISTRICT #3 ARE AS FOLLOWS:

IE WATKINS
ENGINEER
O) 513-7311

SHAKIB
T DISTRICT ENGINEER - TRAFFIC
O) 513-7358

ECKLE
NGINEER
O) 513-7350

RD L. DAFF, SR.
AFFIC OPERATIONS DIVISION
O) 787-7630

R COMPANY REPRESENTATIVE IS:
E GAS AND ELECTRIC COMPANY
H G. BUNCH
OR
/COMMERCIAL SERVICES
NESS CONSTRUCTION
O) 859-9030

PROJECT DESCRIPTION

JECT INVOLVES THE MODIFICATION OF THE TRAFFIC SIGNAL AT MD 197
V PARKWAY NORTHBOUND RAMP (RAMP C-1) IN PRINCE GEORGE'S COUNTY.
S ASSUMED TO RUN IN A NORTH SOUTH DIRECTION.

CTION OPERATION

AL OPERATION

TRAFFIC CONTROL STAGE 5 THE INTERSECTION WILL OPERATE IN A NEMA
PHASE FULL-TRAFFIC-ACTUATED MODE WITH SOUTHBOUND AND NORTHBOUND
ND 197 APPROACHES OPERATING CONCURRENTLY. THE RAMP FROM B/W PARKWAY
OWDON ROAD APPROACHES WILL OPERATE AS SPLIT PHASES. EXCLUSIVE LEFT
IASING WILL BE PROVIDED FOR MD 197 SOUTHBOUND.

MAINTENANCE OF TRAFFIC

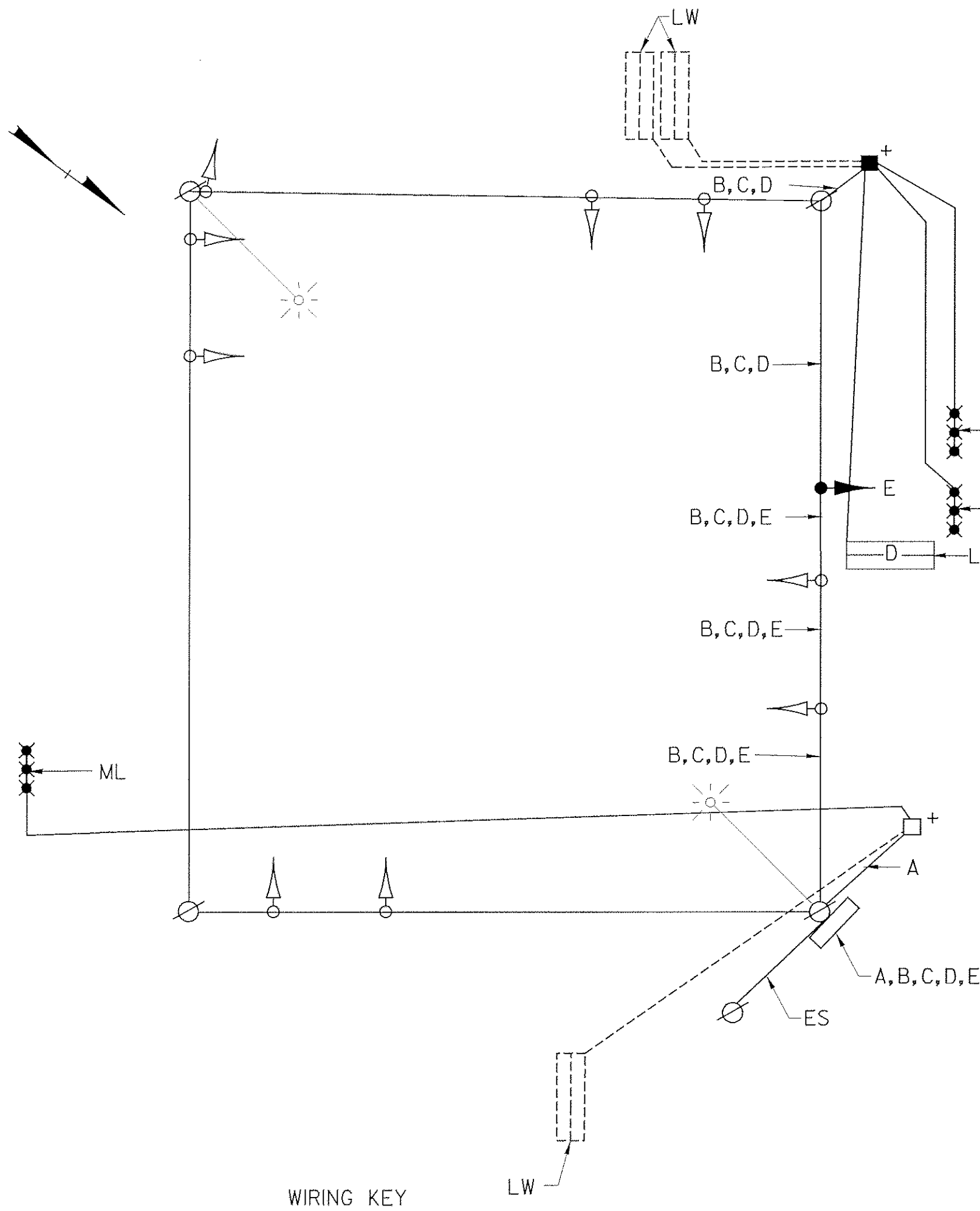
FFIC CONTROL NUMBERS SHALL BE REFERENCED
PROJECT

RD NO. MD-105.00
RD NO. MD-105.01
RD NO. MD-105.02
RD NO. MD-105.101 (FLAGGING OPERATION)
RD NO. MD-105.103 (INTERSECTION FLAGGING
OPERATION)

RD NO. MD-105.105 (SHOULDER WORK)
RD NO. MD-105.107 (LANE SHIFT)
RD NO. MD-105.109 (LANE SHIFT)

ANDARDS TO BE MODIFIED BY REPLACING
GN WITH A W29-1 SIGN (ROAD WORK AHEAD).

WIRING DIAGRAM



- A, B, C } MICRO LOOP PROBE SET
- D } 2- CONDUCTOR ELECTRICAL CABLE (ALUMINUM SHIELDED)
- E } 7- CONDUCTOR ELECTRICAL CABLE (NO.14 A.W.G.)

LW - LOOP WIRE (NO.14 A.W.G.)

ES - EXISTING SERVICE

+ - 3/4 IN. x 10 FT. GROUND ROD

ML - MICRO LOOP PROBE SET

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE FURNISHED BY THE SHA.

SPEC. SECTION	CATEGORY CODE NO.	QUANTITY	DESCRIPTION
806	900000	1 EACH	12 IN./8 IN., 1-WAY, 5-SECTION 12 IN. (YA.GA.) AND 8 IN. (R.Y.G.) SIGNAL HEAD SPAN MOUNT

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

SPEC. SECTION	CATEGORY CODE NO.	QUANTITY	DESCRIPTION
104	120500	L.S.	MAINTENANCE OF TRAFFIC
—	860265	4 EACH	RELOCATE EXISTING SIGNAL HEAD
—	800000	14 SF	RELOCATE EXISTING SIGN ON SPAN WIRE OR MAST ARM
—	114245	65 L.F.	FURNISH AND INSTALL 24 IN. WHITE REMOVABLE PREFORMED PAVEMENT MARKING TAPE (STOP LINE)
—	100000	25 L.F.	FURNISH AND INSTALL 5" WHITE REMOVABLE PREFORMED PAVEMENT MARKING TAPE
805	805160	5 L.F.	FURNISH AND INSTALL 1" LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
810	800000	1 EACH	FURNISH AND INSTALL MICRO-LOOP PROBE SET WITH 500' LEAD-IN
810	800000	2 EACH	FURNISH AND INSTALL MICRO-LOOP PROBE SET WITH 1000' LEAD-IN
805	805011	56 L.F.	FURNISH AND INSTALL 1 IN. GALVANIZED ELECTRICAL CONDUIT FOR DETECTOR SLEEVE
815	862102	1227 L.F.	FURNISH AND INSTALL SAW CUT FOR SIGNAL (LOOP DETECTOR)
—	800000	L.S.	REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT
—	800000	1 EACH	UNCOVER OVERHEAD SIGN
—	800000	1 EACH	UNCOVER SIGNAL HEAD
810	861104	190 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE 2 CONDUCTOR (ALUMINUM SHIELDED)
810	862101	500 L.F.	FURNISH AND INSTALL LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO.14 AWG)
814	800000	1 EACH	INSTALL SIGNAL HEADS - ANY TYPE

CONSTRUCTION DETAILS

STAGE 5

- A. RELOCATE SIGNAL HEADS AND SIGNS AS DIRECTED BY THE ENGINEER.
- B. INSTALL 24 IN. WHITE REMOVABLE PREFORMED PAVEMENT MARKING TAPE (STOPLINE) INSTALLED BY OTHERS.
- C. REMOVE STOP LINE.
- D. UNCOVER SIGNAL HEAD.
- E. INSTALL 5" WHITE REMOVABLE PREFORMED PAVEMENT MARKING TAPE.
- F. FURNISH AND INSTALL 1" LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE.
- G. FURNISH AND INSTALL 1" GALVANIZED ELECTRICAL CONDUIT FOR DETECTOR SLEEVE.
- H. INSTALL MICRO-LOOP PROBE SET WITH 500' LEAD-IN.
- I. ABANDON MICRO-LOOP PROBE SET.
- J. NOT USED.
- K. INSTALL MICRO-LOOP PROBE SET WITH 1,000' LEAD-IN.
- L. UNCOVER OVERHEAD SIGN.
- M. INSTALL 6' x 30' LOOP DETECTOR (3-6-3 TURNS) ENCASED IN 1/2" FLEXIBLE TUBING, QUADRUPOLE TYPE.
- N. INSTALL SIGNAL HEAD - SPAN MOUNT

ADDENDUM

STAGE 5
TEMPORARY TRAFFIC SIGNALS

SS-23

MDOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

LOG MILE # 16019711.69

DRAWN BY: SMH
DES. BY: SMH/DLA
CHK. BY: BJH

MD 197 AT SNOWDEN RD/RAMP C-1
SIGNAL PLAN

COUNTY: PRINCE GEORGE'S

DATE: FEBRUARY, 1999 F.A.P. NO. SEE TITLE SHEET
SCALE: N/A S.H.A. NO. N/A

TS/STD. NO.: 3582B-X5-G11
SHEET NO. 126M OF 367

RK & K
RUMMEL, KLEPPER & KAHL, LLP
CONSULTING ENGINEERS
81 MOSHER STREET
BALTIMORE, MARYLAND 21217
TEL: (410) 728-2900 FAX: (410) 383-3270

REVISIONS:	APPROVALS:
	CHIEF SIGNAL DESIGN SECTION
	ASST. DISTRICT ENGINEER - TRAFFIC
	CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR OFFICE OF TRAFFIC & SAFETY

February, 1999
Reconstruct Due To New
Geometrics. SHA No: N/A